The Knowledge Bank at The Ohio State University

Ohio State Engineer

Title: Back Matter

Issue Date: Oct-1931

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 15, no. 1 (October, 1931).

URI: http://hdl.handle.net/1811/34841

Appears in Collections: Ohio State Engineer: Volume 15, no. 1 (October, 1931)

KOEHRING AUTOCYCLE PAVER

A PIONEER and a leader among pavers, the Koehring leads in basic developments—the latest of which is the Koehring autocycle.

Just as Koehring developed the boom and bucket, batchmeter, and the five action remixing principle—Koehring developed the autocycle, a principle for automatically controlling the cycle of charging, mixing and discharging, creating entirely new standards of efficiency in paver operation.

The Koehring autocycle is a means of providing a fast, exact automatic sequence of batchmeter-timed operations. It makes the most of every minute and provides an ample factor of safety. Time is saved at both ends of the cycle, in charging the materials and in discharging and placing the concrete, resulting in increased output per day.

The concrete roadbuilding industry has experienced the importance of this principle—the Koehring autocycle of charging, mixing, discharging. The industry knows the Koehring is more than merely a paver—that it is a plus service rendered, that it sets the pace on a concrete paving project, that it produces standardized dominant strength concrete of unvarying uniformity!

"Concrete—Its Manufacture and Use," a complete treatise and handbook on present methods of preparing and handling portland cement concrete, will be gladly sent on request to engineering students, faculty members and others interested.

KOEHRING
Pavers, Mixers; Power Shovels, Pull Shovels, Cranes, Draglines; Dumptors.

INSLEY
Excavators; Concrete Placing Equipment; Cars, Buckets, Derricks.

T. L. SMITH
Tilting and Non-tilting Mixers, Pavers, Weigh-Mix.

PARSONS
Trenchers, Backfillers.

C. H. & E.
Portable Saw Rigs, Pumps, Hoists, Material Elevators, Ditchers.

KWIK-MIX
Mixers — Concrete, Plaster and Mortar.

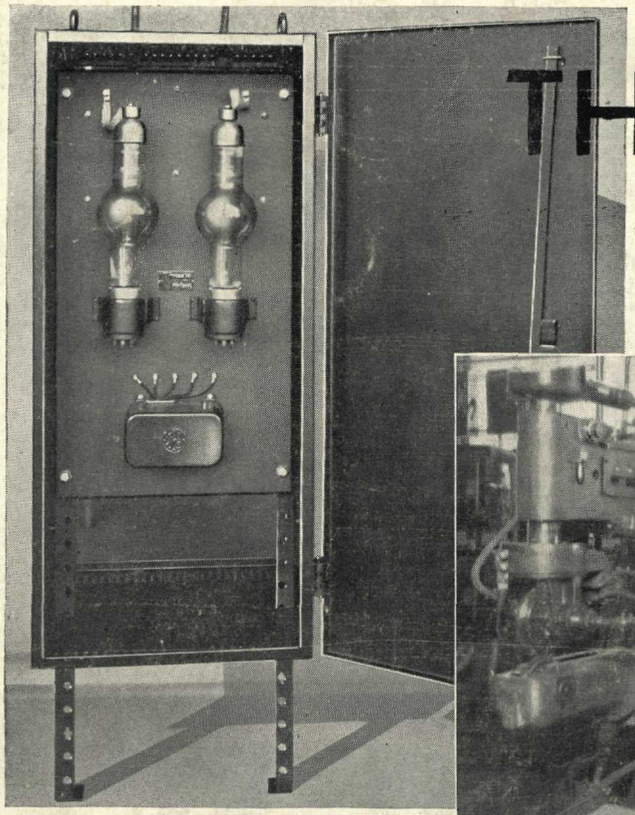
N. E. C. Mud-Jack

NEC

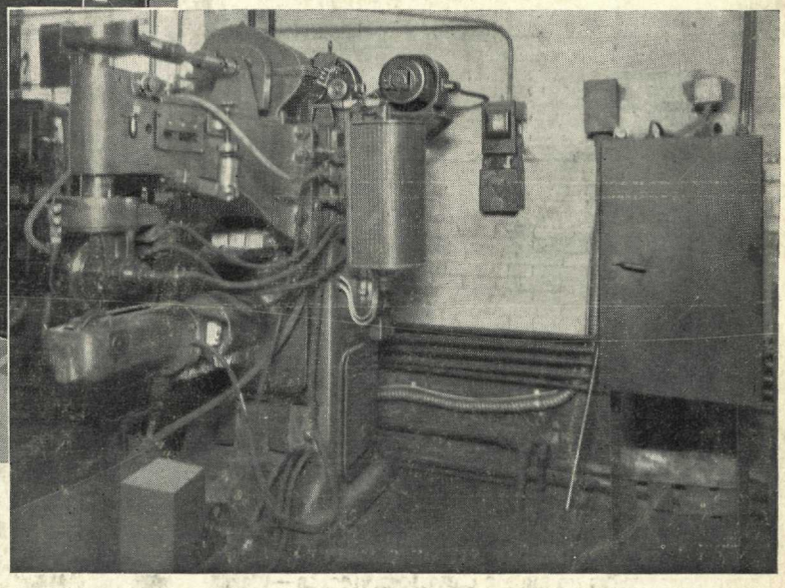
National Equipment Corporation

N. 30th St. & W. Concordia Ave.,
Milwaukee, Wisconsin

THYRATRON
THE OPEN DOOR



Close-up of a Thyratron control panel for high-speed welding applications



G-E Thyratron control equipment (in case) operates this line welder through a reactor

THE new electron tube, the Thyratron, is the most versatile servant developed in recent years. Already it has a host of applications. It will open windows, count anything that will interrupt a beam of light, operate welding machines, sort beans or buttons, operate drinking fountains as you bend over them, light buildings, windows, and theaters, and measure the intense heat of furnace interiors. And it has a thousand other applications.

Thyratron control has made possible high-speed welding machines, for no contactor-actuated resistance welder can approach the speed of several hundred interruptions per minute that are required. High-current Thyratrons interrupt the current in the welding transformers and swing the impedance from high to low, the welding rate depending on the speed of these changes. Thyratron control can be used for as many as one thousand interruptions per minute.

The name Thyratron comes from a Greek word which means "door". Not only does this tube act as a door, or valve, for electricity, but some scientists say that its possibilities are so great that its use will revolutionize the electrical industry. If these predictions are correct, the Thyratron is an open door of opportunity for young men now in college and for graduates already in the employ of the General Electric Company.

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